

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P951458

Luminaire Tested: **GLAN-SB5C-835-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-835-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29709 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

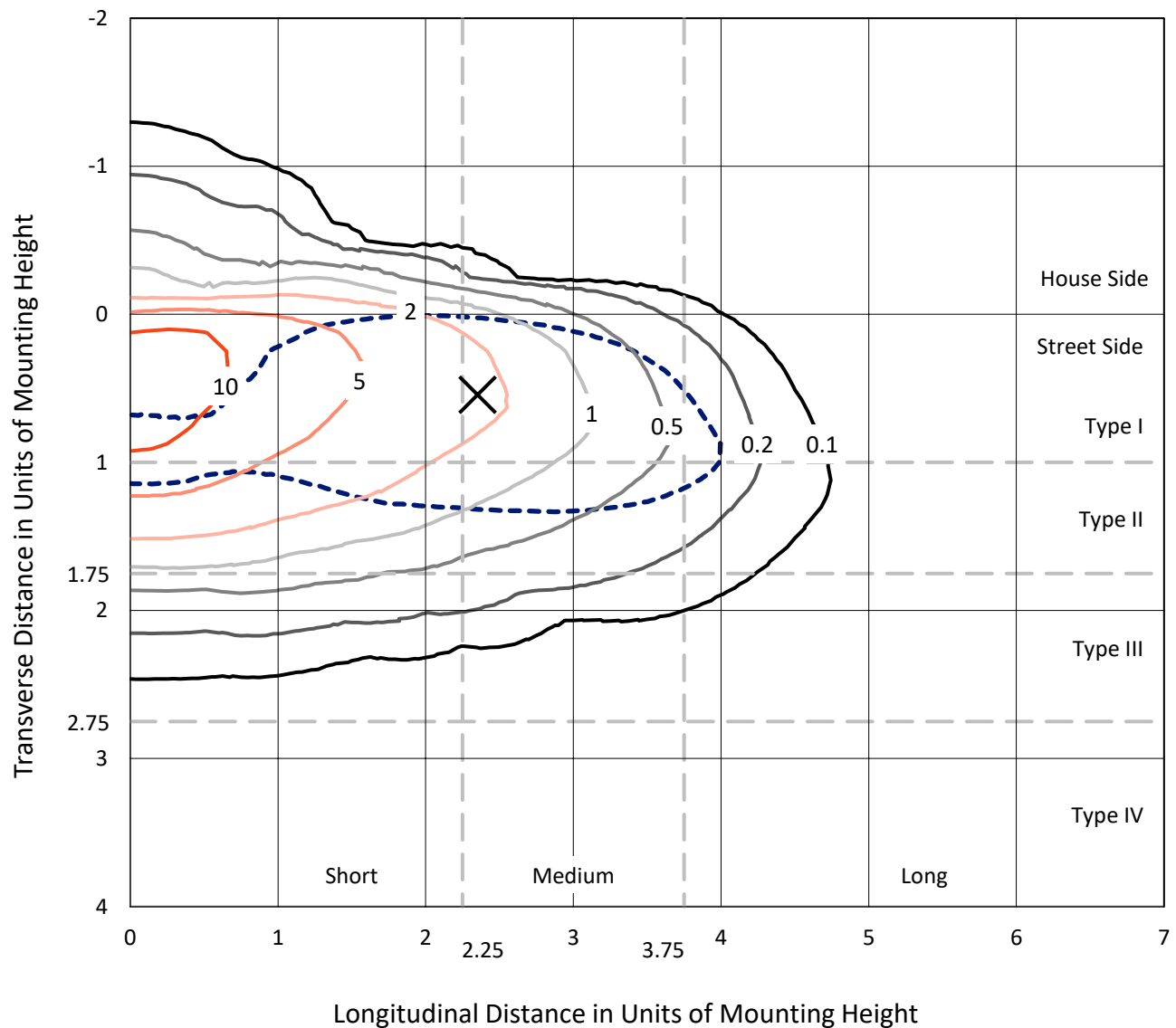
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951458
CATALOG NUMBER: GLAN-SB5C-835-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

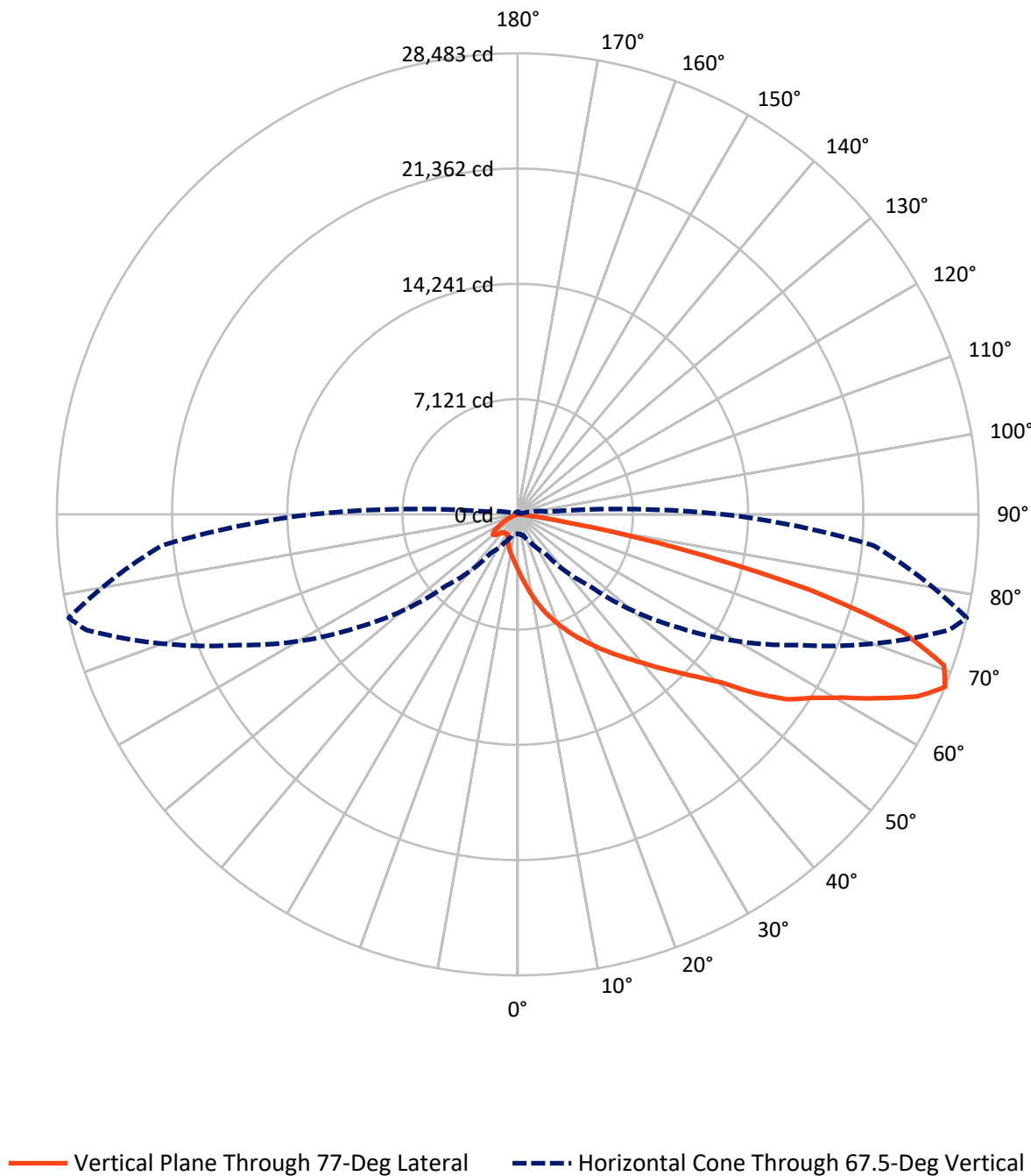
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc
Type II - Medium - N/A

REPORT NUMBER: P951458
CATALOG NUMBER: GLAN-SB5C-835-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P951458

CATALOG NUMBER: GLAN-SB5C-835-U-T2R-HSS

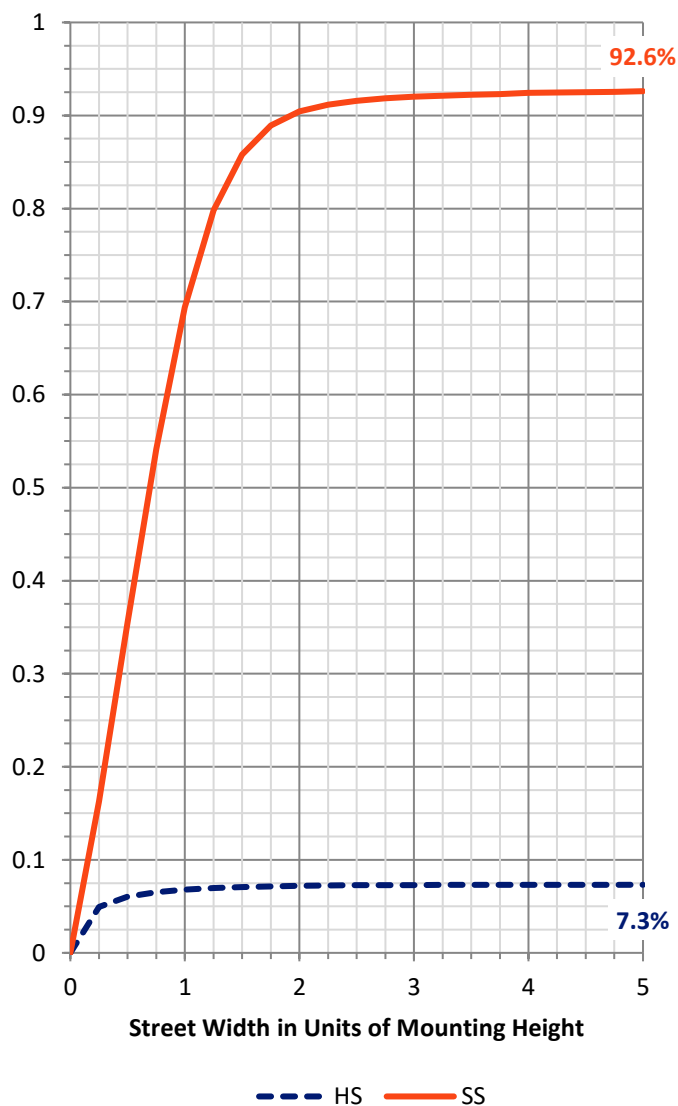
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2185.7	0.0	2185.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	27523.3	0.0	27523.3
	% Fixture	92.6	0.0	92.6
Total	Lumens	29709.0	0.0	29709.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.7	1.2
10°-20°	1224.5	4.1
20°-30°	2362.9	8.0
30°-40°	4102.2	13.8
40°-50°	5956.2	20.0
50°-60°	6839.9	23.0
60°-70°	5938.3	20.0
70°-80°	2797.0	9.4
80°-90°	138.3	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	29709.0	100.0
0°-180°	29709.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951458

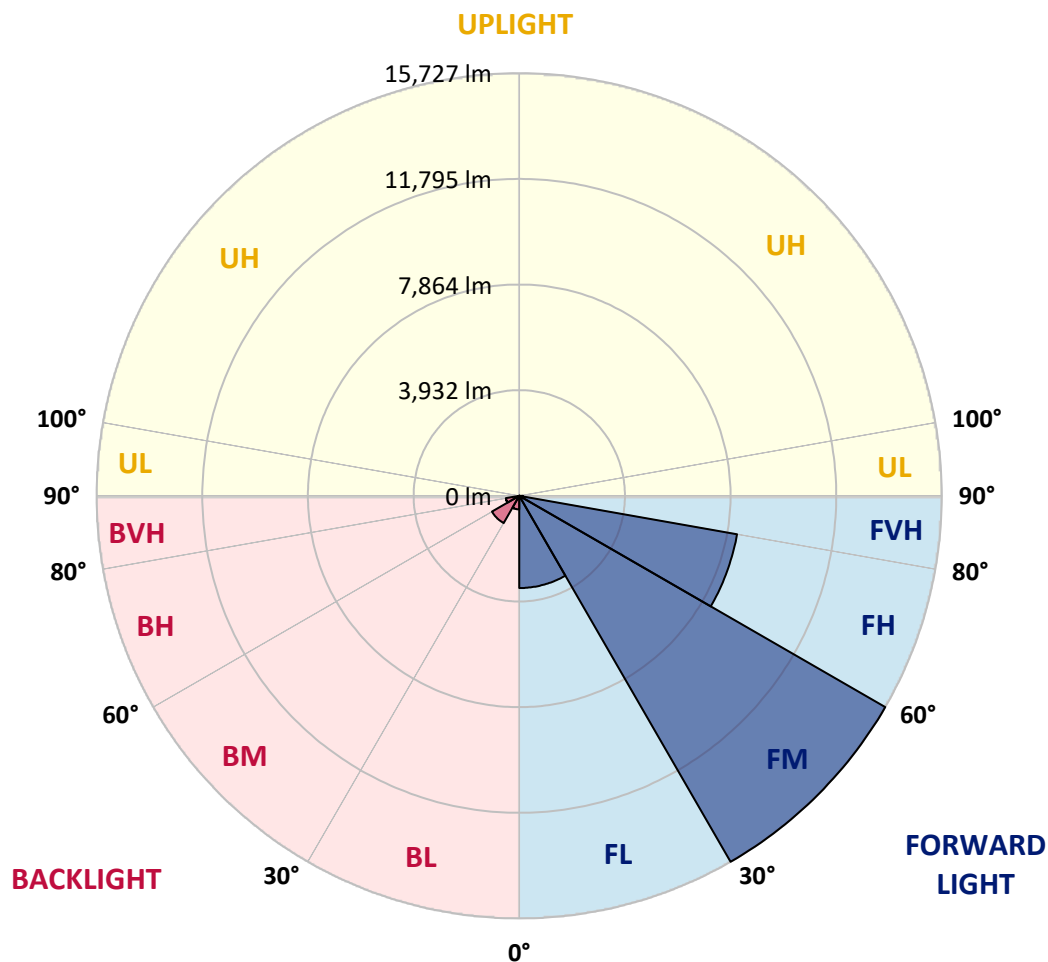
CATALOG NUMBER: GLAN-SB5C-835-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3431.1	11.5			
FM	(30°-60°)	15727.1	52.9			
FH	(60°-80°)	8229.3	27.7			G4/12000
FVH	(80°-90°)	135.8	0.5			G2/225
BL	(0°-30°)	506.0	1.7	B2/1000		
BM	(30°-60°)	1171.1	3.9	B2/2500		
BH	(60°-80°)	506.0	1.7	B2/1000		G2/1000
BVH	(80°-90°)	2.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Medium



REPORT NUMBER: P951458

CATALOG NUMBER: GLAN-SB5C-835-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9
2.5°	4743.1	4772.6	4730.2	4649.0	4527.3	4447.9	4254.2	4071.6	3868.6	3804.1
5°	5781.8	5807.6	5759.6	5671.1	5508.7	5353.8	5099.2	4717.3	4320.6	4193.3
7.5°	6551.1	6565.8	6547.4	6466.2	6311.2	6136.0	5851.9	5399.9	4811.4	4671.2
10°	7104.5	7152.5	7146.9	7115.6	7012.3	6870.2	6567.7	6052.9	5361.1	5180.3
12.5°	7471.6	7525.1	7556.5	7626.6	7621.1	7530.7	7265.0	6720.8	5909.1	5696.9
15°	7578.6	7635.8	7755.7	7918.1	8062.0	8108.1	7921.8	7375.7	6512.3	6241.1
17.5°	7517.8	7606.3	7750.2	8006.6	8322.1	8530.6	8510.3	8008.5	7060.2	6750.3
20°	7652.4	7737.3	7849.8	8065.7	8432.8	8811.0	8962.3	8613.6	7604.5	7279.8
22.5°	8397.8	8383.0	8394.1	8429.1	8648.7	9023.2	9334.9	9163.4	8143.2	7811.1
25°	9578.5	9512.0	9399.5	9209.5	9154.1	9334.9	9659.6	9650.4	8711.4	8355.3
27.5°	10932.6	10921.5	10657.7	10200.2	9941.9	9871.8	10026.8	10124.5	9274.1	8894.0
30°	12229.5	12259.0	11903.0	11393.8	10919.7	10644.8	10504.6	10574.7	9846.0	9475.1
32.5°	13358.6	13389.9	13002.5	12406.6	11819.9	11487.9	11192.7	11019.3	10469.5	10065.5
35°	14312.3	14343.7	13899.1	13240.5	12615.1	12314.4	11980.4	11506.3	11096.8	10720.4
37.5°	15164.7	15155.4	14559.5	13895.4	13281.1	13043.1	12867.8	12105.9	11742.5	11379.0
40°	15668.3	15707.0	15197.9	14465.5	13869.6	13696.2	13685.1	12849.4	12487.8	12135.4
42.5°	15815.9	15884.1	15515.2	14913.8	14373.2	14185.0	14474.7	13653.7	13354.9	13011.7
45°	15550.2	15616.6	15448.8	15031.8	14716.4	14594.6	15153.6	14487.6	14281.0	13941.5
47.5°	14775.4	14858.4	14899.0	14810.4	14806.8	14930.4	15762.4	15365.7	15380.5	15033.7
50°	13275.5	13415.7	13788.4	14102.0	14587.2	15196.0	16354.6	16317.7	16620.2	16321.4
52.5°	10548.8	10748.1	12032.1	12890.0	13980.3	15146.2	17005.8	17845.2	18795.3	18358.1
55°	8477.1	8477.1	9521.3	11126.3	12795.9	14817.8	17289.9	18837.8	20276.7	20173.4
57.5°	6910.8	6993.8	7659.8	9078.5	11082.0	14035.6	17465.2	19461.3	21470.4	21394.7
60°	4265.3	4444.2	5702.4	7102.7	9132.0	12642.7	17354.5	20092.2	22918.6	22979.4
62.5°	2402.0	2468.4	3029.2	5110.2	7100.8	10770.2	16507.7	20444.6	24770.8	25029.1
65°	1658.5	1691.7	1907.6	3180.5	4922.1	8574.9	14852.9	20225.1	26626.7	27148.8
67.5°	1204.7	1221.3	1356.0	1942.6	2920.4	6217.1	12259.0	19118.2	27610.0	28482.6
70°	926.1	937.2	1035.0	1276.6	1724.9	3837.3	8903.2	16917.3	26897.9	27940.2
72.5°	752.7	763.8	839.4	944.6	1143.8	2269.2	5396.2	13738.6	23754.3	24879.6
75°	634.6	649.4	717.6	785.9	896.6	1457.4	2531.1	9567.4	17863.7	18601.6
77.5°	352.4	324.7	583.0	651.2	756.4	922.4	1184.4	5630.5	10004.6	10209.4
80°	219.5	226.9	463.1	523.9	581.1	464.9	542.4	2167.7	3468.3	3294.9
82.5°	12.9	29.5	356.1	378.2	398.5	199.2	204.8	736.1	835.7	767.5
85°	0.0	0.0	162.3	131.0	138.4	57.2	59.0	171.6	112.5	121.8
87.5°	0.0	0.0	0.0	3.7	0.0	5.5	11.1	14.8	5.5	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P951458

CATALOG NUMBER: GLAN-SB5C-835-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3425.9	0°	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9
3601.1	2.5°	3472.0	3342.9	3080.9	2824.5	2616.0	2422.3	2283.9	2152.9	2086.5	2082.8
3833.6	5°	3577.2	3306.0	2782.0	2319.0	1946.3	1647.5	1453.7	1315.4	1245.3	1221.3
4119.5	7.5°	3724.7	3317.0	2520.1	1876.2	1437.1	1180.7	1070.0	1025.7	1011.0	994.4
4442.4	10°	3911.1	3342.9	2285.8	1510.9	1132.7	1003.6	959.3	940.9	929.8	918.7
4805.8	12.5°	4119.5	3366.8	2053.3	1254.5	996.2	929.8	898.4	876.3	861.5	848.6
5178.5	15°	4322.5	3381.6	1811.6	1075.5	926.1	872.6	839.4	815.4	795.1	780.4
5543.8	17.5°	4523.6	3401.9	1584.7	968.5	868.9	815.4	782.2	752.7	736.1	719.5
5927.5	20°	4746.8	3398.2	1370.7	892.9	811.7	758.2	723.2	695.5	678.9	660.5
6333.4	22.5°	4953.4	3379.8	1182.5	828.3	752.7	701.0	662.3	634.6	618.0	603.3
6748.5	25°	5191.4	3365.0	1025.7	769.3	697.4	645.7	603.3	577.4	559.0	546.1
7165.4	27.5°	5420.2	3342.9	911.4	715.8	643.9	594.0	553.5	523.9	507.3	498.1
7595.2	30°	5645.2	3337.3	868.9	664.1	595.9	546.1	505.5	477.8	464.9	461.2
8067.5	32.5°	5916.4	3352.1	887.4	645.7	551.6	501.8	463.1	442.8	429.8	429.8
8593.3	35°	6206.1	3348.4	915.0	662.3	522.1	457.5	428.0	415.1	402.2	402.2
9176.3	37.5°	6569.5	3353.9	937.2	690.0	511.0	420.6	404.0	387.4	380.0	380.0
9814.6	40°	7111.9	3536.6	926.1	714.0	507.3	394.8	361.6	356.1	350.5	350.5
10535.9	42.5°	7776.0	3933.2	940.9	715.8	505.5	376.3	332.1	343.1	330.2	328.4
11349.5	45°	8502.9	4366.8	1035.0	677.1	503.6	367.1	317.3	330.2	309.9	309.9
12292.2	47.5°	9224.2	4796.6	1130.9	621.7	498.1	365.3	304.4	297.0	291.5	293.3
13520.9	50°	10218.6	5147.1	1167.8	546.1	485.2	361.6	280.4	282.3	278.6	282.3
15253.2	52.5°	11301.5	5220.9	1123.5	461.2	448.3	350.5	263.8	271.2	269.3	273.0
16472.7	55°	11976.8	5141.6	928.0	383.7	391.1	306.2	247.2	262.0	262.0	262.0
17664.4	57.5°	12674.1	4804.0	658.6	311.8	324.7	250.9	232.5	252.7	250.9	249.1
19099.7	60°	13175.9	4257.9	433.5	256.4	258.3	206.6	215.8	238.0	236.1	226.9
20579.3	62.5°	13550.4	3654.6	278.6	217.7	197.4	186.3	197.4	215.8	208.5	188.2
21833.8	65°	13508.0	2818.9	214.0	186.3	162.3	162.3	171.6	188.2	166.0	132.8
22073.6	67.5°	12720.2	1907.6	177.1	156.8	136.5	134.7	142.1	156.8	142.1	112.5
20844.9	70°	11312.6	1247.1	142.1	121.8	108.8	99.6	114.4	134.7	119.9	90.4
17745.6	72.5°	9181.8	760.1	107.0	88.6	79.3	64.6	90.4	110.7	95.9	66.4
12340.2	75°	5940.4	387.4	73.8	57.2	42.4	38.7	66.4	83.0	66.4	40.6
5475.5	77.5°	2272.9	162.3	40.6	25.8	22.1	18.4	36.9	49.8	27.7	9.2
1060.8	80°	437.2	68.3	20.3	12.9	11.1	7.4	5.5	3.7	0.0	0.0
188.2	82.5°	75.6	22.1	7.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0
36.9	85°	25.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.9	87.5°	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
3425.9
2079.1
1217.6
990.7
915.0
844.9
778.5
717.6
658.6
601.4
544.2
498.1
459.4
429.8
402.2
380.0
350.5
326.5
309.9
293.3
282.3
273.0
262.0
249.1
226.9
184.5
129.1
108.8
86.7
62.7
35.1
7.4
0.0
0.0
0.0
0.0
0.0